Extension: Technology and Organs

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Take a few moments and write whether you think the statement is true or false, then write the correct answers by looking at the key.

“What I think” “What the key says”

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| True | False | Statement | True | False |
|  |  | 1. Today it is possible to get artificial organs for nearly any body part. |  |  |
|  |  | 2. Artificial organs work as well as real body parts. |  |  |
|  |  | 3. There are many ethical questions concerning the use of artificial or animal organs as replacements. |  |  |
|  |  | 4. The waiting lists to get human organs for transplant is so long that many people will die waiting for one. |  |  |
|  |  | 5. Some countries allow people to sell their own organs. |  |  |
|  |  | 6. The United States allows people to sell their own organs. |  |  |
|  |  | 7. You can live without some organs like your spleen or gall bladder. |  |  |
|  |  | 8. You can plan to donate your organs if you die when you get a drivers license. |  |  |
|  |  | 9. You don’t need all your liver or both kidneys to be healthy. |  |  |
|  |  | 10. Artificial knees and hips do not allow people to walk again. |  |  |
|  |  | 11. Most people have trouble with their spine or back at some point in their lives. |  |  |
|  |  | 12. Artificial organs are difficult to make because the body has such an amazing design and is so delicately balanced. |  |  |
|  |  | 13. A heart “pacemaker” can make a heart muscle stronger. |  |  |
|  |  | 14. Anyone can be an organ donor. |  |  |
|  |  | 15. Organ rejection is a problem for both artificial and real organ transplants. |  |  |
|  |  | 16. Some artificial organs operate outside the body. |  |  |

Answer questions 1-4 prior to reading the bright yellow article.

1. Why is the heart such an important organ?

2. What problems do you think were encountered when they attempted to build an artificial heart?

3. When do you think an artificial heart would be needed?

4. What do you think are other options for people who need a heart?

\*\*\*After reading the article Answer this question. Use AT LEAST 7 full sentences.

**Should the U.S. government continue to support and fund the artificial heart programs? Why or why not? Use data from this reading to support your argument.**

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**Research another technological advancement relating to the body that you find interesting and create a “google slideshow”. When you are finished answer the following questions and share it with** [**Nicole.heath@washk12.org**](mailto:Nicole.heath@washk12.org)

**Include the following in your slideshow:**

* **What is the technological development?**
* **What organ/organ system does it help? And how?**
* **How does this organ/organ system typically work when it is functioning properly?**
* **Who developed this technology? How did they develop it?**
* **Does it work well? What could use improvement?**
* **This slide show should be a minimum of 5 slides (4 content and 1 title)**
* **Add pictures to make it more interesting**
* **Remember that this should be your own words unless you are citing your sources!!!**